

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120315\  
 Data File : BG019874.D  
 Acq On : 3 Dec 2015 17:27  
 Operator : UM/NP  
 Sample : G4617-07  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-09

Quant Time: Dec 04 02:51:08 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

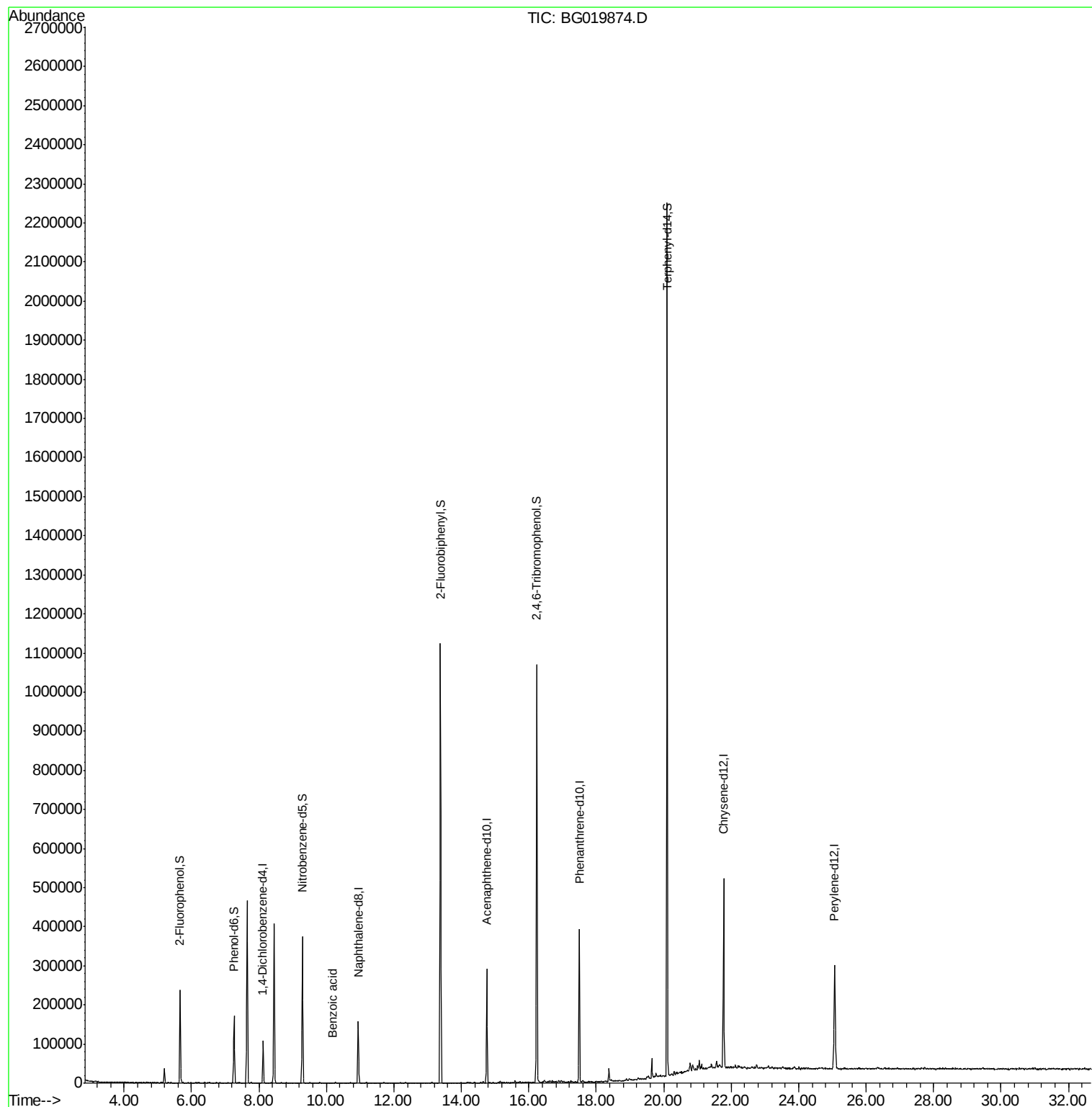
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 29070    | 20.00  | ng    | -0.02         |
| 21) Naphthalene-d8          | 10.94 | 136  | 130258   | 20.00  | ng    | -0.01         |
| 38) Acenaphthene-d10        | 14.75 | 164  | 95564    | 20.00  | ng    | -0.01         |
| 63) Phenanthrene-d10        | 17.49 | 188  | 241633   | 20.00  | ng    | -0.02         |
| 75) Chrysene-d12            | 21.78 | 240  | 301786   | 20.00  | ng    | -0.02         |
| 86) Perylene-d12            | 25.07 | 264  | 287215   | 20.00  | ng    | -0.03         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.67  | 112  | 99479    | 61.85  | ng    | 0.00          |
| 7) Phenol-d6                | 7.26  | 99   | 90243    | 37.16  | ng    | -0.01         |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 224932   | 88.13  | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 187485   | 128.22 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 574578   | 82.10  | ng    | -0.01         |
| 78) Terphenyl-d14           | 20.10 | 244  | 958244   | 77.45  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 32) Benzoic acid            | 10.18 | 122  | 57       | 6.04   | ng    | Qvalue<br># 1 |

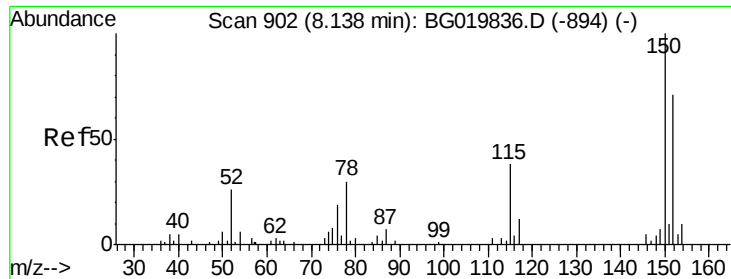
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120315\  
Data File : BG019874.D  
Acq On : 3 Dec 2015 17:27  
Operator : UM/NP  
Sample : G4617-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TW-09

Quant Time: Dec 04 02:51:08 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.02 min

Lab File: BG019874.D

Acq: 3 Dec 2015 17:27

Instrument :

BNA\_G

ClientSampleId :

TW-09

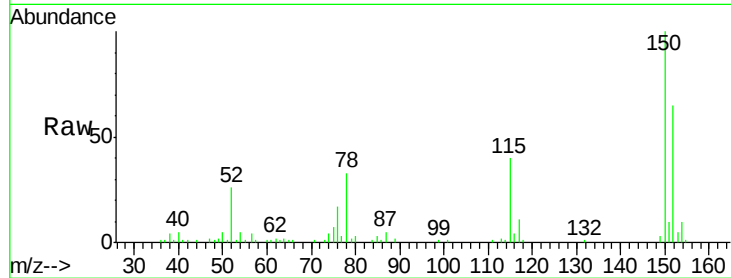
Tgt Ion:152 Resp: 29070

Ion Ratio Lower Upper

152 100

150 155.0 115.0 172.4

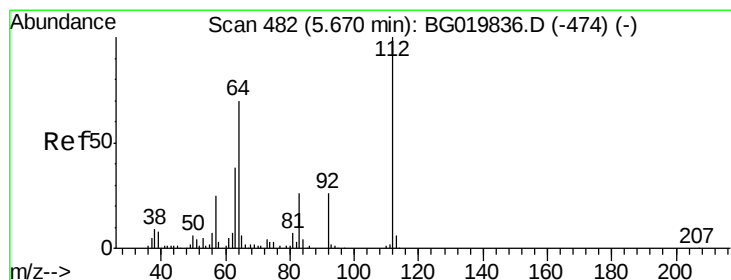
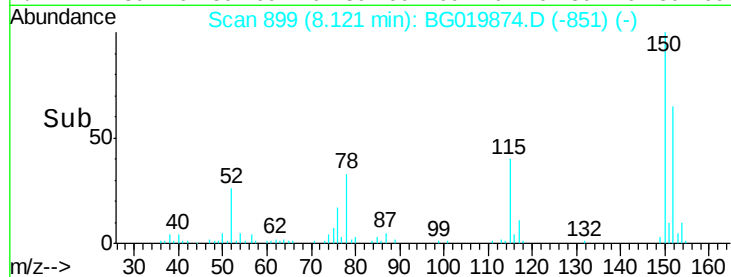
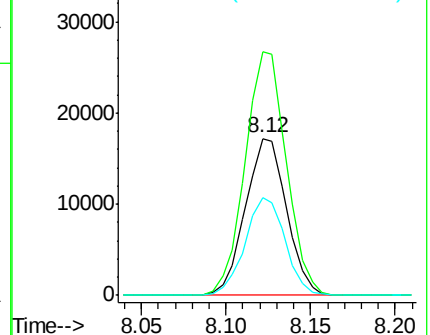
115 62.0 43.9 65.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 61.85 ng

RT: 5.67 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG019874.D

Acq: 3 Dec 2015 17:27

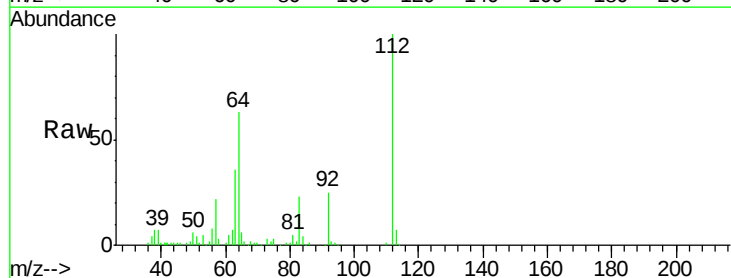
Tgt Ion:112 Resp: 99479

Ion Ratio Lower Upper

112 100

64 62.9 43.7 65.5

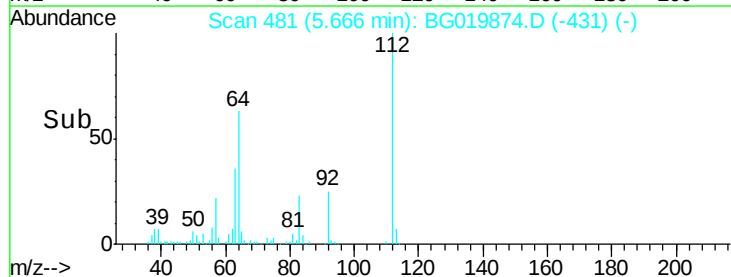
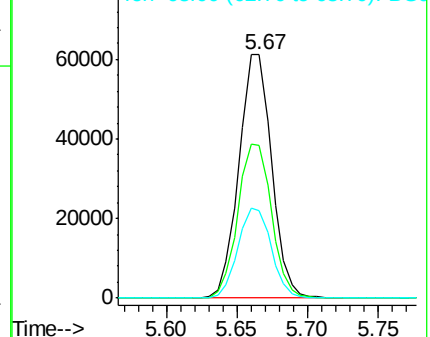
63 35.9 24.0 36.0

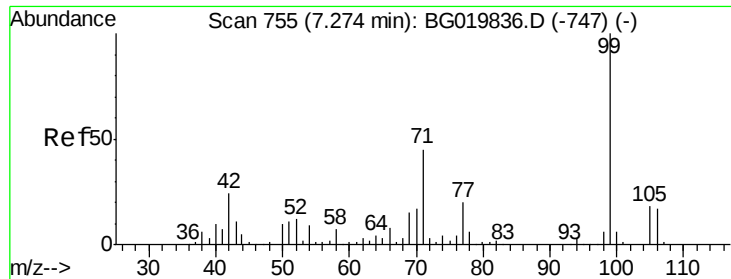


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 37.16 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019874.D

Acq: 3 Dec 2015 17:27

Instrument :

BNA\_G

ClientSampleId :

TW-09

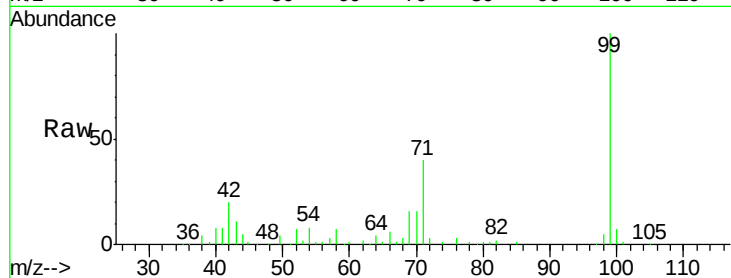
Tgt Ion: 99 Resp: 90243

Ion Ratio Lower Upper

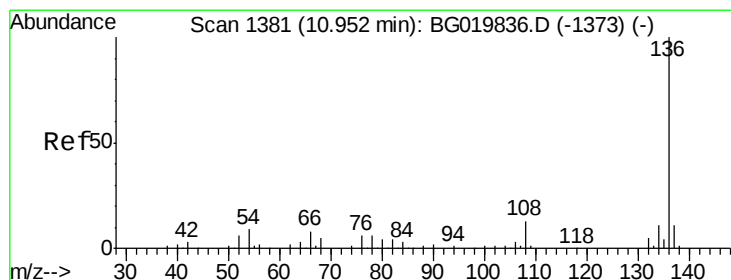
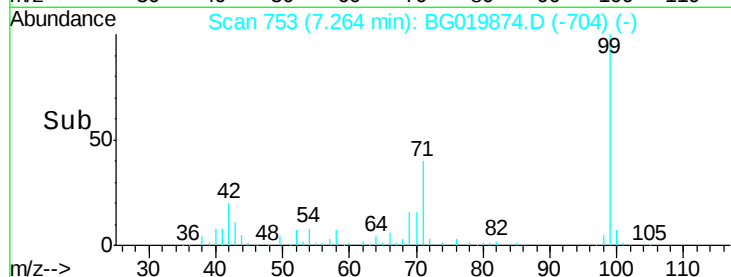
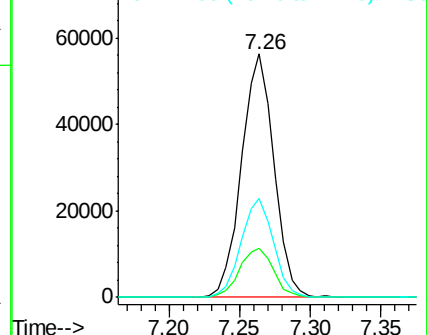
99 100

42 20.0 11.5 17.3#

71 40.5 22.6 34.0#



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BG019874.D

Acq: 3 Dec 2015 17:27

Tgt Ion: 136 Resp: 130258

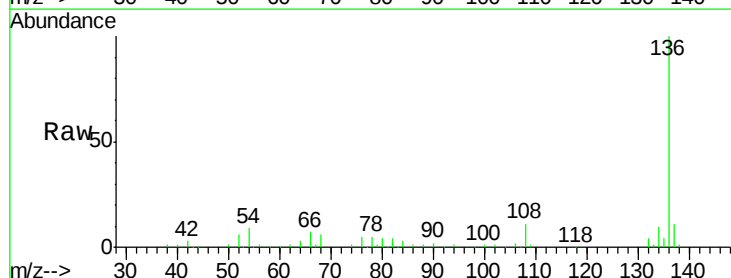
Ion Ratio Lower Upper

136 100

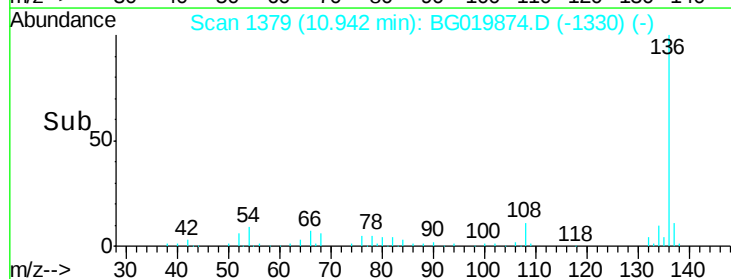
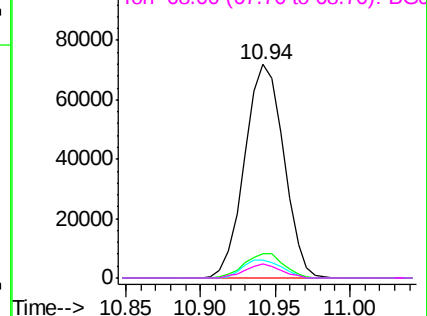
137 11.5 8.6 12.8

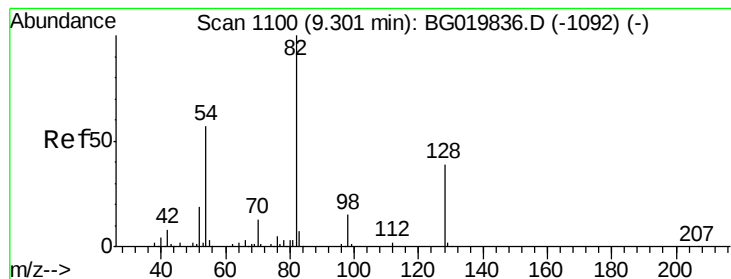
54 8.6 5.4 8.2#

68 6.4 5.3 7.9



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 88.13 ng

RT: 9.29 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BG019874.D

Acq: 3 Dec 2015 17:27

Instrument :

BNA\_G

ClientSampleId :

TW-09

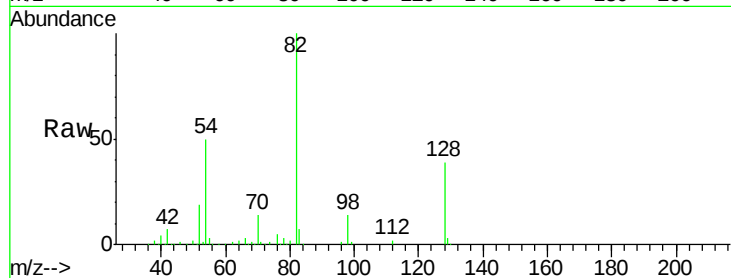
Tgt Ion: 82 Resp: 224932

Ion Ratio Lower Upper

82 100

128 39.5 36.7 55.1

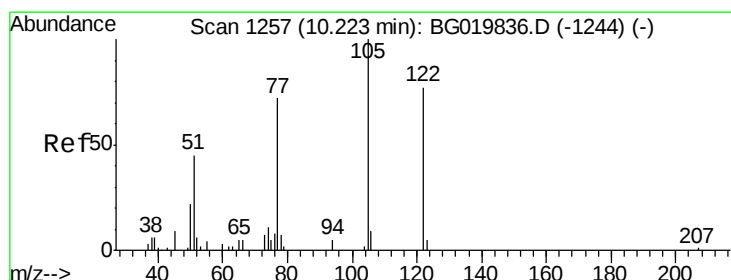
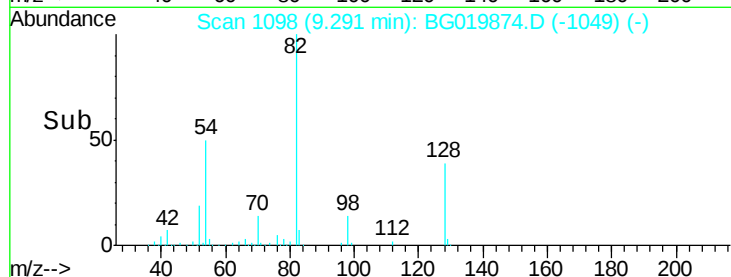
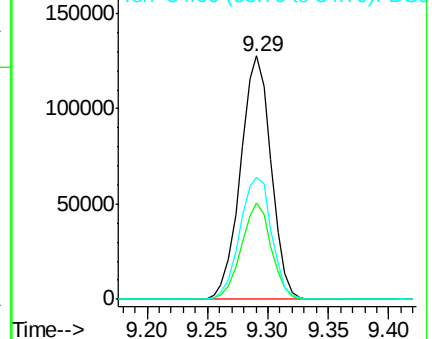
54 50.4 33.8 50.8



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32

Benzoic acid

Concen: 6.04 ng

RT: 10.18 min Scan# 1249

Delta R.T. -0.05 min

Lab File: BG019874.D

Acq: 3 Dec 2015 17:27

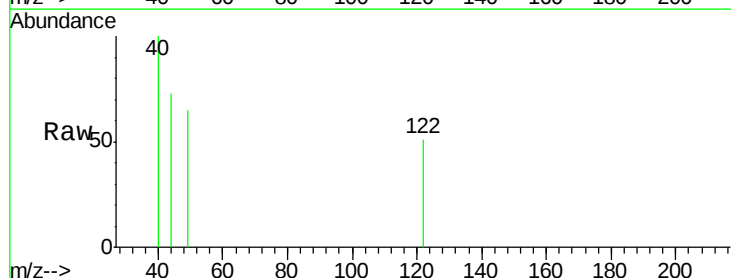
Tgt Ion: 122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 103.8 143.8#

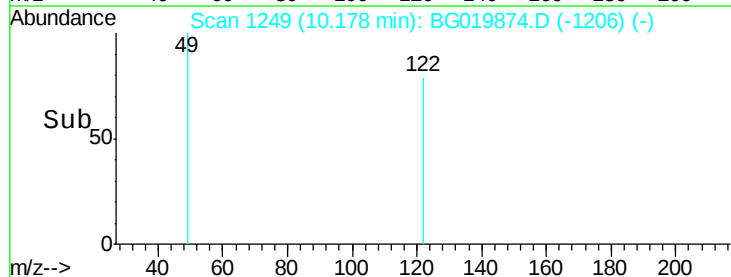
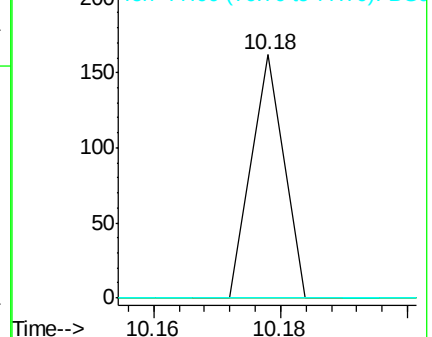
77 0.0 68.8 108.8#

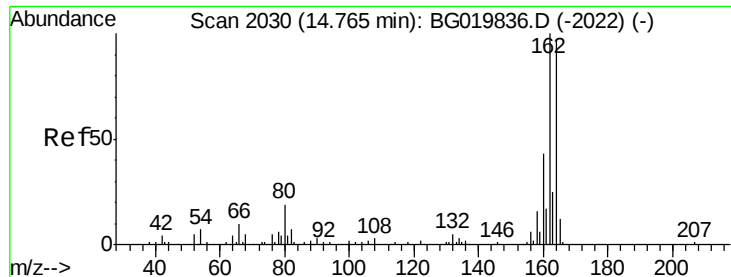


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

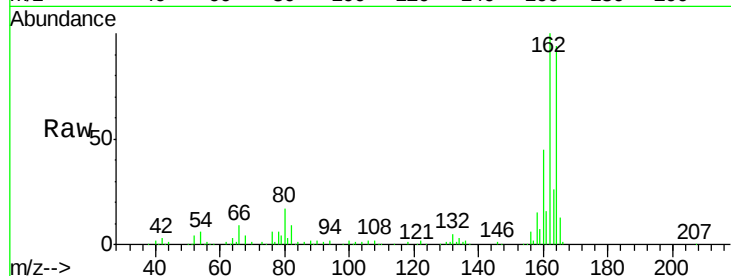




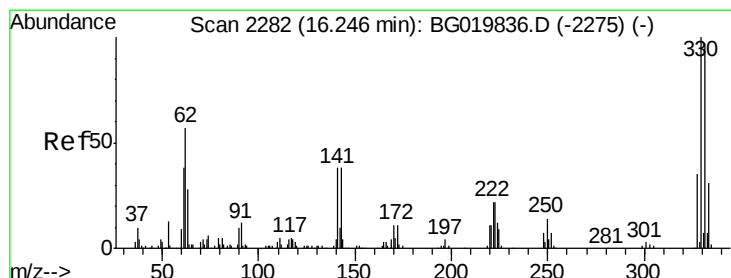
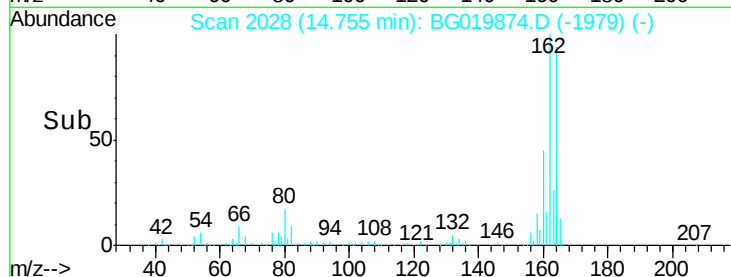
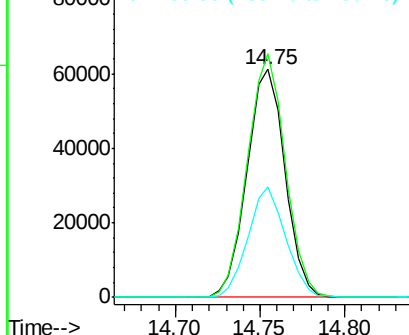
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BG019874.D  
Acq: 3 Dec 2015 17:27

Instrument :  
BNA\_G  
ClientSampleId :  
TW-09

Tgt Ion:164 Resp: 95564  
Ion Ratio Lower Upper  
164 100  
162 106.8 78.8 118.2  
160 48.5 36.4 54.6

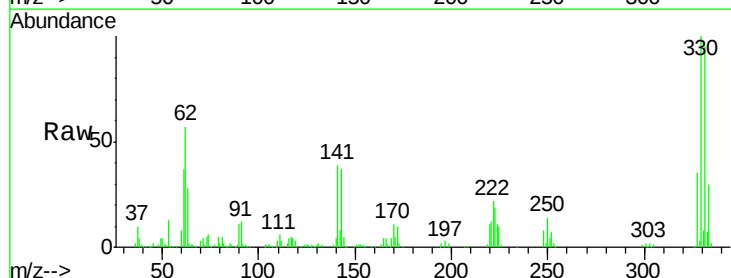


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

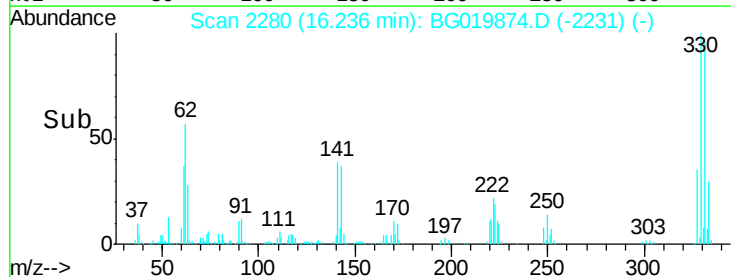
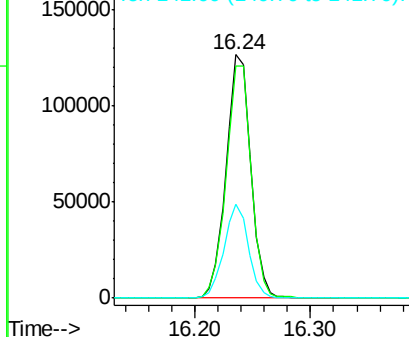


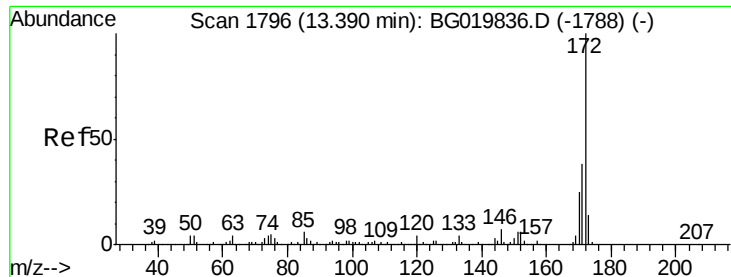
#41  
2,4,6-Tribromophenol  
Concen: 128.22 ng  
RT: 16.24 min Scan# 2280  
Delta R.T. -0.01 min  
Lab File: BG019874.D  
Acq: 3 Dec 2015 17:27

Tgt Ion:330 Resp: 187485  
Ion Ratio Lower Upper  
330 100  
332 96.9 78.1 117.1  
141 38.1 28.2 42.2



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

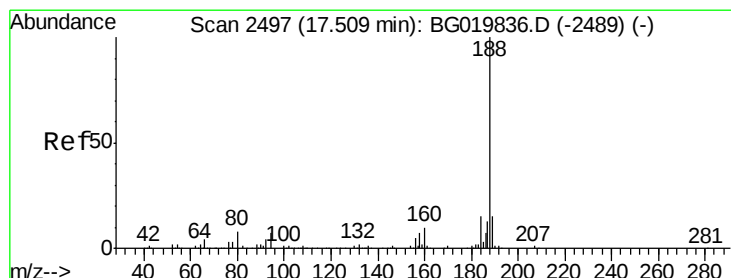
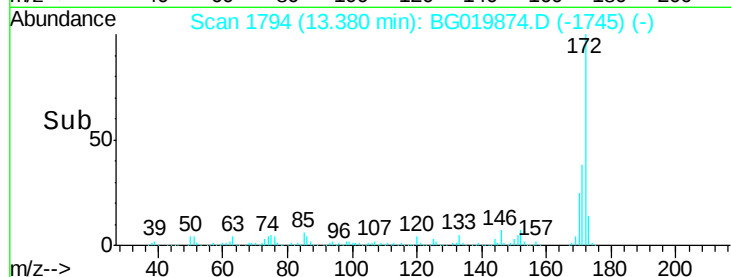
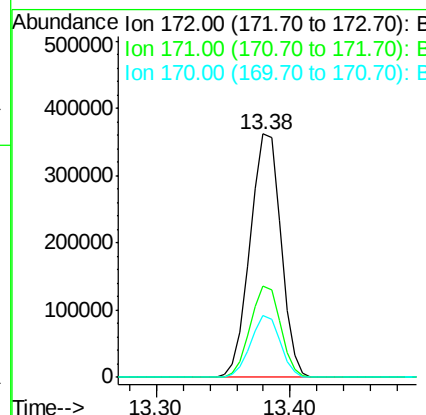
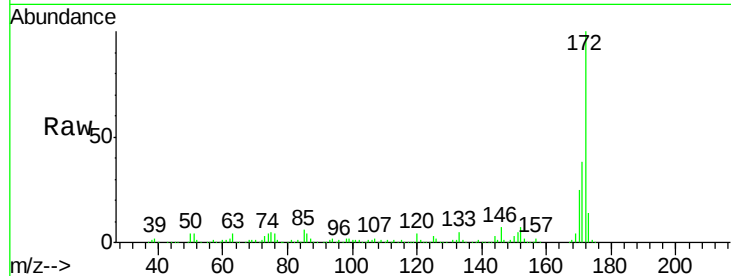




#44  
 2-Fluorobiphenyl  
 Concen: 82.10 ng  
 RT: 13.38 min Scan# 1794  
 Delta R.T. -0.01 min  
 Lab File: BG019874.D  
 Acq: 3 Dec 2015 17:27

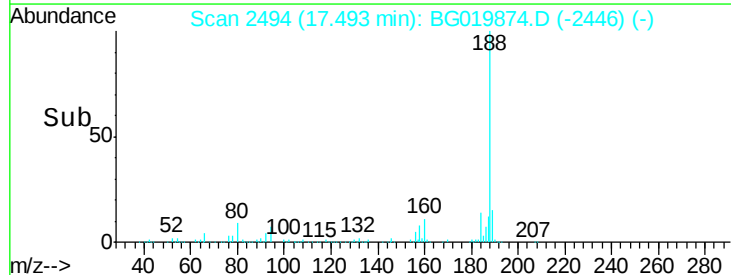
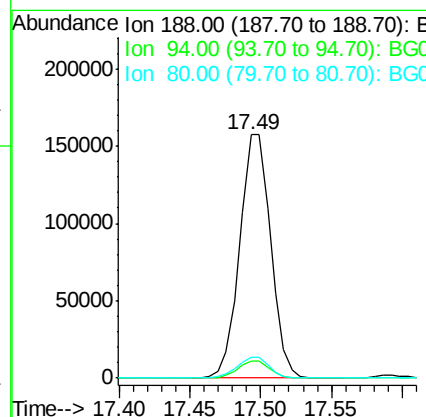
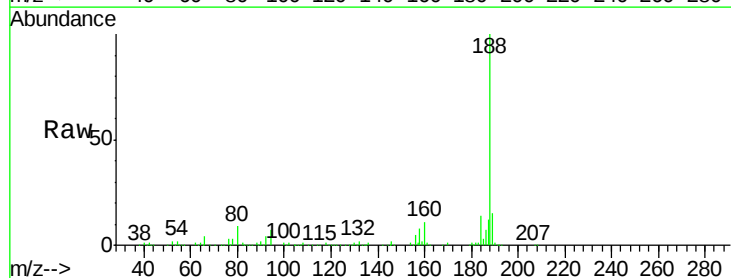
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-09

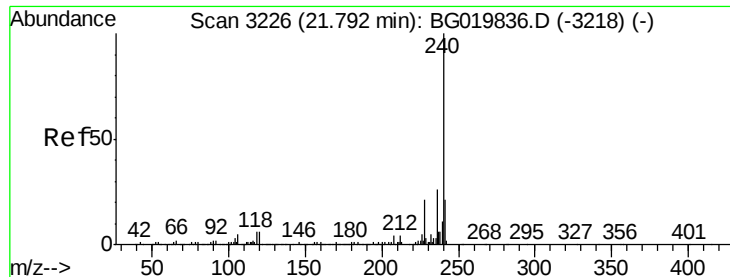
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 29.0  | 43.6  |
| 170     | 25.2  | 19.9  | 29.9  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.49 min Scan# 2494  
 Delta R.T. -0.02 min  
 Lab File: BG019874.D  
 Acq: 3 Dec 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.0   | 7.7   | 11.5# |
| 80      | 8.7   | 7.8   | 11.8  |

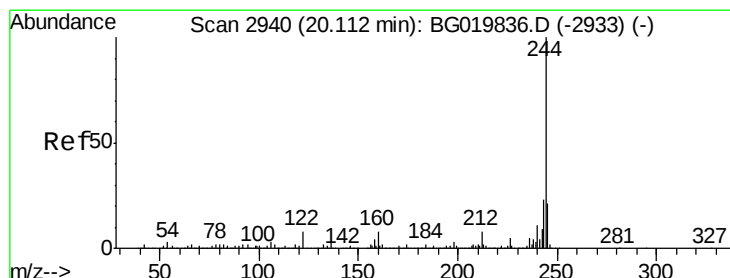
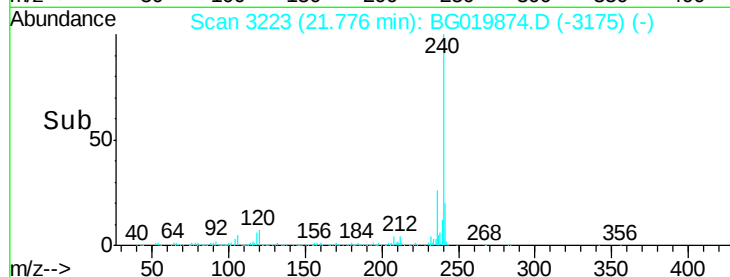
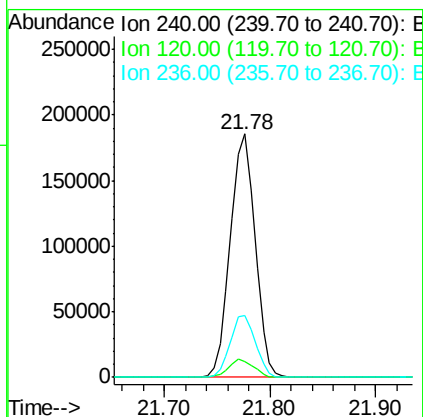
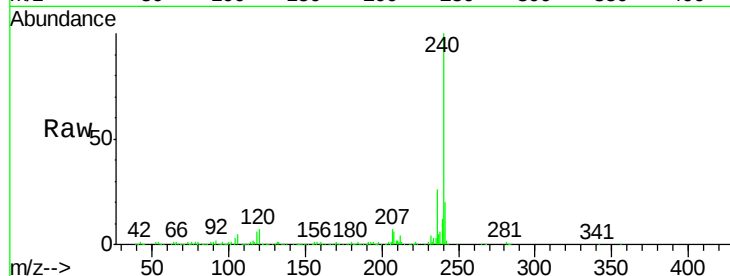




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.78 min Scan# 3223  
Delta R.T. -0.02 min  
Lab File: BG019874.D  
Acq: 3 Dec 2015 17:27

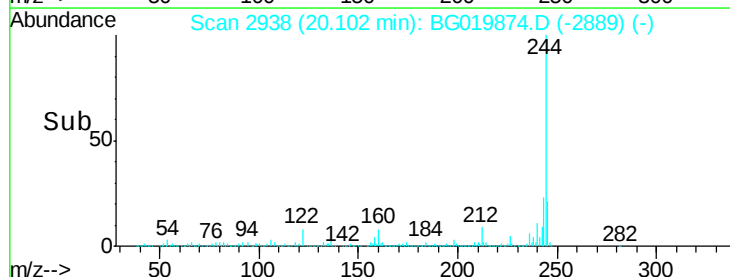
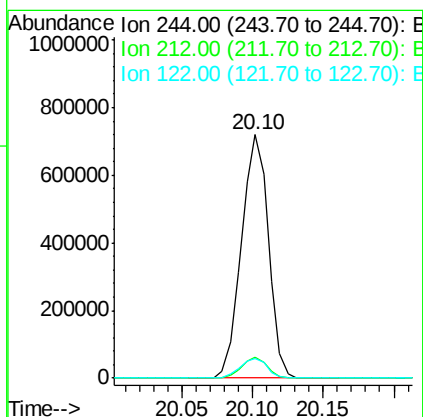
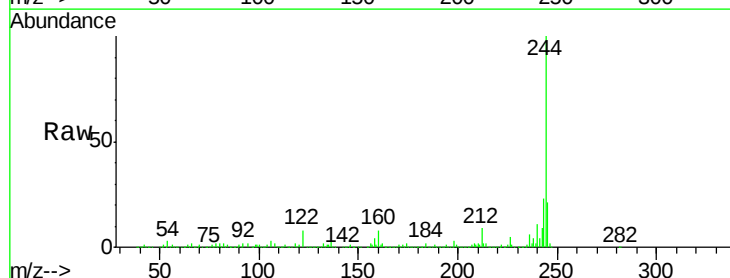
Instrument :  
BNA\_G  
ClientSampleId :  
TW-09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.7   | 7.4   | 11.0# |
| 236     | 25.5  | 20.7  | 31.1  |



#78  
Terphenyl-d14  
Concen: 77.45 ng  
RT: 20.10 min Scan# 2938  
Delta R.T. -0.01 min  
Lab File: BG019874.D  
Acq: 3 Dec 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.5   | 6.9   | 10.3  |
| 122     | 8.2   | 10.2  | 15.2# |

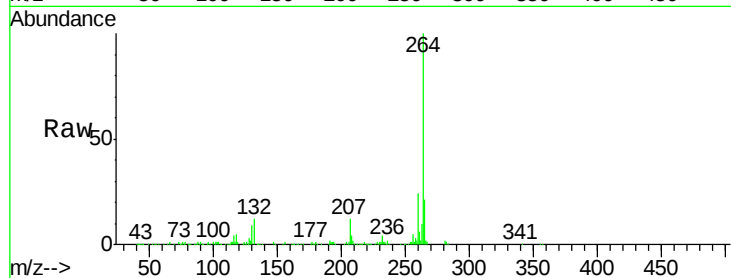




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.07 min Scan# 3783  
Delta R.T. -0.03 min  
Lab File: BG019874.D  
Acq: 3 Dec 2015 17:27

Instrument :  
BNA\_G  
ClientSampleId :  
TW-09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 287215 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.6  | 18.5  | 27.7   |
| 265      | 20.8  | 17.2  | 25.8   |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

